

8/14 #14



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## RAW SEQUENCE LISTING

DATE: 08/14/2002

PATENT APPLICATION: US/10/027,725A

TIME: 14:36:08

Input Set : A:\25401-4.txt

Output Set: N:\CRF4\08142002\J027725A.raw

3 <110> APPLICANT: Flicker, Sabine  
 5 <120> TITLE OF INVENTION: Group 2 Allergen Specific IgE-fabs and Use Thereof  
 7 <130> FILE REFERENCE: 25401-4  
 9 <140> CURRENT APPLICATION NUMBER: 10/027,725A  
 C--> 10 <141> CURRENT FILING DATE: 2002-08-09  
 12 <150> PRIOR APPLICATION NUMBER: US 60/259,436  
 13 <151> PRIOR FILING DATE: 2000-12-29  
 15 <160> NUMBER OF SEQ ID NOS: 12  
 17 <170> SOFTWARE: PatentIn version 3.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 342  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Homo sapiens  
 24 <400> SEQUENCE: 1  
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 27 tctggcggct ccatccgcag tgggtggttac tactggagtt ggatccgcca acaccaggg 120  
 29 aagggcctgg agtggattgg gtacatctat cacagtggga acacctataa caaccctgcc 180  
 31 ctcaagagtc gaattgccat gtcggtagac acgtctgaga acaagttctc cctgaggctg 240  
 33 aactctgtga ctgccgcgga cacggccgtg tattactgtg cgagggtaga tggctacact 300  
 35 ttggacatct ggggccaggg aaccctggtc accgtctcct ca 342  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 342  
 40 <212> TYPE: DNA  
 41 <213> ORGANISM: Homo sapiens  
 43 <400> SEQUENCE: 2  
 44 ctcgagtctg gccaggact ggtgaagcct tcacagacc tgtccctcac ctgcactgtc 60  
 46 tctgggtggct ccatccgcag tgggtggttat tattggagtt ggggtccgcca gcctccaggg 120  
 48 aagggcctgg agtggatcgg caacatctat cacagtggca acacctataa caaccctgcc 180  
 50 ctcaagagtc gaattacat gtcagtagac acgtctaaga accacttctc cctgagactg 240  
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 58 <211> LENGTH: 342  
 59 <212> TYPE: DNA  
 60 <213> ORGANISM: Homo sapiens  
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 63 ctcgagtctg gccaggact ggtgaagcct tcacagacc tgtccctcac ctgcactgtc 60  
 65 tctgggtggct ccatccgcag tgggtggttat tactggagtt ggatccgcca gcgtccaggg 120  
 67 aagggcctgg agtggatcgg gtacatctat cacagtggca acacctataa caaccctgcc 180  
 69 ctcaagagtc gagttacat gtcagtagac acgtctaaga accacttctc cctgaggctg 240  
 71 agctctgtga ctgccgcgga cacggccgtg tattactgtg cgagggtcaga tgggtacact 300  
 73 ttggacaact ggggccaggg aaccctggtc accgtctcct ca 342  
 76 <210> SEQ ID NO: 4

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78 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 4
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84 tgccgggcaa gtcagagaat taacacctat ttaaattggt atcagcataa accagggaaa      120
86 gccctaagc tcctgatcta tgctgcatcc agtttgcaaa gtgggggtccc atcaagggttc      180
88 agtggcagtg gatattgggac agacttcact ctcacatca gcagtctgca gcctgaagat      240
90 ttgcaagtt actactgtca agagagtctc agtgcctcgt acacttttgg ccaggggacc      300
92 aagggtggaga tcaaacga                                     318
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 318
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 5
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103 tgccggggcac gtcagagtat tagcacctat ttaaattggt atcagcagaa accggggaaag      120
105 gccctaagc tcctgatctg tagtgcatcc aatttgcaaa gtgggggtccc atccagggttc      180
107 agtggcagtg gatctgggac agagttcact ctcacatca gcaatctgca acctgaagac      240
109 ttgcaagtt actactgtca acagagttac actaccttat ataccttcgg ccctgggacc      300
111 aaactggaga tcaaacga                                     318
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115 <211> LENGTH: 318
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124 gccctaatac tcctgatcta ttctgcatcc agtttgcaaa gtgggggtccc gtcaagggttc      180
126 agcggcagtg gatctgggac agatttcagt ctcacatca gcagcctgca gcctgaagat      240
128 tctgcaactt actattgtca acaggctaac agtttcccggt acacttttgg ccaggggacc      300
130 aagggtggaaa tcaaacga                                     318
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135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 7
140 Leu Glu Ser Gly Pro Gly Leu Val Lys Pro Ala Gln Thr Leu Ser Leu
141 1      5      10      15
144 Ser Cys Ala Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
145      20      25      30
148 Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
149      35      40      45
152 Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
153      50      55      60
156 Ile Ala Met Ser Val Asp Thr Ser Glu Asn Lys Phe Ser Leu Arg Leu
157 65      70      75      80
160 Asn Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Leu
161      85      90      95

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164 Asp Gly Tyr Thr Leu Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val
165           100           105           110
168 Ser Ser
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173 <211> LENGTH: 114
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 8
179 Leu Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu
180 1           5           10           15
183 Thr Cys Thr Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
184           20           25           30
187 Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Asn
188           35           40           45
191 Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
192           50           55           60
195 Ile Thr Met Ser Val Asp Thr Ser Lys Asn His Phe Ser Leu Arg Leu
196 65           70           75           80
199 Thr Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ser
200           85           90           95
203 Asp Gly Tyr Thr Leu Asp Asn Trp Gly Gln Gly Thr Leu Val Thr Val
204           100           105           110
207 Ser Ser
211 <210> SEQ ID NO: 9
212 <211> LENGTH: 114
213 <212> TYPE: PRT
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 9
218 Leu Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu
219 1           5           10           15
222 Thr Cys Thr Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
223           20           25           30
226 Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
227           35           40           45
230 Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
231           50           55           60
234 Val Thr Met Ser Val Asp Thr Ser Lys Asn His Phe Ser Leu Arg Leu
235 65           70           75           80
238 Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ser
239           85           90           95
242 Asp Gly Tyr Thr Leu Asp Asn Trp Gly Gln Gly Thr Leu Val Thr Val
243           100           105           110
246 Ser Ser
250 <210> SEQ ID NO: 10
251 <211> LENGTH: 106
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 10
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258 1          5          10          15
261 Val Thr Ile Ser Cys Arg Ala Ser Gln Arg Ile Asn Thr Tyr Leu Asn
262          20          25          30
265 Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala
266          35          40          45
269 Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
270          50          55          60
273 Tyr Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Phe Glu Asp
274 65          70          75          80
277 Phe Ala Ser Tyr Tyr Cys Gln Glu Ser Leu Ser Ala Ser Tyr Thr Phe
278          85          90          95
281 Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
282          100          105
285 <210> SEQ ID NO: 11
286 <211> LENGTH: 106
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 11
292 Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg
293 1          5          10          15
296 Val Thr Ile Thr Cys Arg Ala Arg Gln Ser Ile Ser Thr Tyr Leu Asn
297          20          25          30
300 Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Trp Ser
301          35          40          45
304 Ala Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
305          50          55          60
308 Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Asn Leu Gln Phe Glu Asp
309 65          70          75          80
312 Phe Ala Ser Tyr Tyr Cys Gln Gln Ser Tyr Thr Thr Leu Tyr Thr Phe
313          85          90          95
316 Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg
317          100          105
320 <210> SEQ ID NO: 12
321 <211> LENGTH: 106
322 <212> TYPE: PRT
323 <213> ORGANISM: Homo sapiens
325 <400> SEQUENCE: 12
327 Glu Leu Thr Gln Ser Pro Ser Ser Val Ser Ala Ser Val Gly Asp Arg
328 1          5          10          15
331 Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala
332          20          25          30
335 Trp Tyr Gln His Gln Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ser
336          35          40          45
339 Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
340          50          55          60
343 Tyr Gly Thr Asp Phe Ser Leu Thr Ile Ser Ser Leu Gln Phe Glu Asp
344 65          70          75          80
347 Ser Ala Thr Tyr Tyr Cys Gln Gln Ala Asn Ser Phe Pro Tyr Thr Phe
348          85          90          95

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351	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	Arg
352				100					105	

VERIFICATION SUMMARY

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Input Set : A:\25401-4.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date